

**METHOD, APPARATUS AND SYSTEM FOR THE  
SYNCHRONIZED COMBINING OF PACKET DATA**

**ABSTRACT OF THE DISCLOSURE**

5           A method, apparatus and system for the synchronized combining of  
packet data in a network includes sorting data packets received during a  
predetermined time period into groups according to for which communications  
device of the network the received data packets are intended. The data  
packets in each of the groups intended for the respective communications  
10 devices are respectively time aligned and orthogonally combined. The  
respectively combined data packets intended for each of the specific  
communications devices are subsequently transmitted to the intended device  
using a single header and in a substantially compressed format.